

APRIL/MAY 2025

**FEBC64/CEBC64 — PHARMACEUTICAL
BIOCHEMISTRY (ELECTIVE III)**

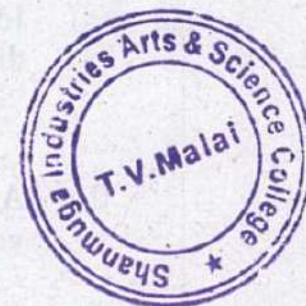
Time : Three hours

Maximum : 75 marks

SECTION A — (10 × 2 = 20 marks)

Answer ALL questions.

1. Define absorption of a drug.
2. Explain the term agonist.
3. What are liposomes?
4. Brief the role of nano particles.
5. List the drugs for irritable bowel syndrome.
6. List the role of metformin.
7. What is Unani?
8. Outline the importance of Nilavembu.
9. Show the functions of saponins.
10. Summarize the role of cytotoxic drugs.



SECTION B — (5 × 5 = 25 marks)

Answer ALL questions.

11. (a) Examine the types of receptors.

Or

- (b) Examine the mechanism of first bypass effect.

12. (a) Identify and explain the concepts behind drug tolerance.

Or

- (b) Analyze the importance of IC₅₀ and LD 50 value.

13. (a) Organize the drugs used for GI tract disorders.

Or

- (b) Examine the mechanism of action of cotrimaxazole.

14. (a) Organize the importance of siddha medicine.

Or

- (b) Examine the medicinal values of kashayam.



15. (a) Organize the functions of terpenoids.

Or

- (b) Analyze the principle behind HPLC.

SECTION C — (3 × 10 = 30 marks)

Answer any THREE questions.

16. Explain the subtypes of receptors.

17. Deduce the causes and types of allergic reactions.

18. Appraise the role of various oral hypoglycemic drugs.

19. Elaborate the biological significance of Neem and Amla.

20. Discuss the importance of cytotoxic drugs in cancer.